

ABSTRACT

The invention concerns concentration solar batteries which are protected against heating caused by the fraction of solar radiation which does not enable excitation of the photovoltaic cells (101) constituting said generator. It consists in covering the concentrator (106) which reflects the solar flux (107) towards the photovoltaic cells (101) with a filter (206) which enables the useless part of the radiation to be eliminated. It consists in using for that purpose either an absorbent material or an oblique or Fresnel stepped arrangement of the outer surface (107) of said transparent layer enabling said useless part to be reflected outside the photovoltaic cells (101).